PTO/SB/033 (08-03)

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Substitute for form 1449A/PTO	Coi	mplete if Known
*	Application Number	10/622,403
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date	July 18, 2003
	First Named Inventor	Richard Slater
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(Use as many sheets as necessary)	Examiner Name	

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				U. S. PAT	ENT I	DOCUM	ENTS			
Examiner Initials*	Cite No. 1	Document Number Number-Kind Code ^{2 (I known)}		Publication D MM-DD-YYY	ate	N:	ame of Patentee or ant of Cited Docume	int	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear	
M		^{US-} 5,206,874	T	04-27-3	1993					
		US-5,390,211	7	02-14-1	1995					
al		us- 5,561,550		1:0-01-1	1996					
TIL		us- 6.052.218		04-18-3	2000				→	
₹W		us-6,215,807	\bot	04-10-2	2001		<u> </u>			
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Substitute	5 101 101111 1443/V1 10			Application Number	
INFORMATION DISCLOSURE				Filing Date (July 18,2003
STATEMENT BY APPLICANT				First Named Inventor	Richard C. Slater
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			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
M	-	US- 3,824,487	07/16/1974	Buczek et al.	
log		^{US-} 4,833,683	05/23/1989	Ury et al.	
CH		US- 5,390,211	02/14/1995	Clark et al.	
CUT		us- 5,457,707	10/10/1995	Sobey et al.	
er		us- 5,557,630	09/17/1996	Michael J. Scaggs	
EN.		^{US-} 5,936,993	08/10/1999	Opower et al.	
UN		US- 5,943,358	08/24/1999	Allik et al.	
CIL		US- 6,101,022	08/08/2000	Chen et al.	
er		us- 2001/0028672	10/11/2001	Yanagisawa et al.	
CA-		^{US-} 6,310,715	10/30/2001	Gerald T. Moore	
M		US- 2002/0172253	11/21/2002	Jan Vetrovec	
		US-			
	/	WS.			
		US-			

	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code 3-Number 4-Kind Code 5 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵				
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	(Use as many sheets as	necessary)		Examiner Name	
Sheet	1	of	1	Attorney Docket Number	LASER03-02

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
«Mr		APOLLONOV ET AL., "Phase-locking of the 2D structures," Journal of Optical Society of America, Optical Society of America, Vol. 4 (No. 1), (January 4, 1999).	
્રા		SANDIA NATIONAL LABORATORIES, "Periodically Twinned GaAs Crystals Yield Tunable, Long-Wavelength Infrared Laser Beam," Vol. 23 (No. 4), p. 3-4, (July 2001).	
M		MUDGE ET AL., "High-power Nd: YAG lasers using stable-unstable resonators," Institute of Physics Publishing, IOP Publishing Ltd. (UK), p. 1783-1792, (March 18, 2002).	
		HONG JIN KONG, "Feasibility Study of the High Power Laser System with Beam Combination Method Using Phase Conjugation Mirrors of Stimulated Brillouin Scattering for Generating an Ultra High Power Output with High Repetition Rate over 10 Hz."	
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